

# M A T E R I A L   S A F E T Y   D A T A   S H E E T

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## SECTION 1

## PRODUCT INFORMATION

MANUFACTURED BY: Black & Decker Canada Inc.,  
100 Central Avenue,  
Brockville, Ontario, Canada.  
K6V 5W6

TELEPHONE NO.: (Regular and Emergency Calls): (613) 342-6641

PRODUCT IDENTIFIER: Two-Temp Hot Melt Adhesive  
GS-501, -502, -503, -505, -520

CHEMICAL FAMILY: Ethylene Vinyl Acetate Based Mixture

PRODUCT USE: Hot Melt Adhesive

## WHMIS CLASSIFICATION

NOT CONTROLLED

## TRANSPORTATION INFORMATION (TDG)

PIN: Not Regulated      PRIMARY CLASS: None      SUBSIDIARY CLASS: None

PACKING GROUP: Not Applicable

IMO      PRIMARY CLASS: None      SUBSIDIARY CLASS: None

ICAO      PRIMARY CLASS: None      SUBSIDIARY CLASS: None

SPECIAL PROVISIONS: Not Applicable

TDG DESCRIPTION: Not Applicable

A:TTHMA

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**SECTION II****HAZARDOUS INGREDIENTS**

INGREDIENT	CAS NO.	PIN	% BY WEIGHT	EXPOSURE LIMITS (TLV) ppm                      mg/m3
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NONE

**TOXICOLOGICAL DATA**

INGREDIENT	LD50 ORAL RAT	LD50 DERMAL RABBIT	LC50 INHALATION RAT 4 HOURS
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NOT APPLICABLE - Product is non-toxic

**SECTION III****PHYSICAL DATA**

SPECIFIC GRAVITY (WATER = 1):	0.98
MELTING POINT/FREEZING POINT IN DEGREES C:	76 (169° F) (Softening range)
BOILING POINT IN DEGREES C:	Not Applicable
VAPOUR PRESSURE IN MM HG:	Not Applicable
VAPOUR DENSITY (AIR = 1):	Not Applicable
EVAPORATION RATE (BUTYL ACETATE = 1):	Not Applicable
PERCENT VOLATILE BY WEIGHT:	Not Applicable
VOLUME:	Not Applicable

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SECTION IIIPHYSICAL DATA (Cont'd)

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SOLUBILITY IN WATER:	Insoluble
pH:	Not Applicable
COEFFICIENT OF PARTITION WATER/OIL:	Not Applicable
APPEARANCE AND ODOUR:	Cloudy water white with an aromatic scent
ODOUR THRESHOLD:	Not Applicable

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## SECTION IV

FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT IN DEGREES C (Closed cup):	Not Applicable
AUTOIGNITION TEMPERATURE IN DEGREES C (Vapour):	Not Applicable
AUTOIGNITION TEMPERATURE IN DEGREES C (Solids):	Not Applicable
LOWER FLAMMABILITY LIMIT:	Not Applicable
UPPER FLAMMABILITY LIMIT:	Not Applicable
DUST EXPLOSION POTENTIAL:	None
SENSITIVITY TO MECHANICAL IMPACT:	Not Applicable
SENSITIVITY TO STATIC DISCHARGE:	Not Applicable

UNUSUAL FIRE AND EXPLOSION HAZARDS: Thermal degradation produces flammable hydrocarbon vapours. Molten product causes personnel burns, adheres to skin.

SPECIAL FIREFIGHTING PROCEDURES: Use self contained breathing apparatus. Avoid contact with molten adhesive. Cool product to below its solidification point.

EXTINGUISHING MEDIA: Water, carbon dioxide, dry chemical.

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## SECTION V

HEALTH HAZARD DATA

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The information shown below refers generally to a component of the product but as required under the WHMIS regulations the hazards of any ingredient must be extended to the product unless testing of the product has been performed.

INGESTION: This product contains no ingredients considered harmful by ingestion. This product is considered non-toxic by ingestion.

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## SECTION V

## HEALTH HAZARD DATA (Cont'd)

ABSORPTION: This product contains no ingredients considered harmful by absorption.

INHALATION: Not applicable.

SKIN CONTACT: Contact with molten adhesive will cause non-chemical burns. Product is not a skin irritant.

EYE CONTACT: Contact with molten adhesive will cause non-chemical burns. Product is not an eye irritant.

CORROSION: Product is non-corrosive.

ENTRY ROUTE: Ingestion, contact.

SYMPTOMS OF OVEREXPOSURE: Molten adhesive will cause non-chemical burns. Product is non-toxic, no other symptoms of over-exposure are known or expected.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE; None known to Black & Decker.

CHRONIC EFFECTS: None known to Black & Decker.

SENSITIZATION:        RESPIRATORY: This product contains no ingredients known to cause respiratory sensitization.

                     SKIN: This product contains no ingredients known to cause skin sensitization.

CARCINOGENICITY: None of the ingredients of this product are on the REP/TOX, IARC, NTP or OSHA lists of carcinogenic hazards.

REPRODUCTIVE TOXICITY: No data available.

TERATOGENICITY: None of the ingredients of this product are known teratogens.

MUTAGENICITY: None of the ingredients of this products are known mutagens.

TOXICOLOGICALLY SYNERGISTIC PRODUCTS: None known to Black & Decker.

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**FIRST AID MEASURES**

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**INGESTION:** This product is non-toxic. Small amounts ingested will pass through the body unchanged. Ingestion of large amounts could cause a physical blockage of the alimentary track. In these circumstances consult a physician.

**INHALATION:** Not applicable.

**SKIN CONTACT:** For skin contact with molten adhesive, immerse immediately in cold water to solidify the product. Do not try to peel the adhesive from the skin, call a physician.

**EYE CONTACT:** For direct eye contact with molten adhesive, flush immediately with cold water. Do not attempt to remove the adhesive, call a physician.

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**SECTION VI****REACTIVITY DATA**

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**STABILITY:** Stable

**MATERIALS TO AVOID:** Strong oxidizing agents

**HAZARDOUS DECOMPOSITION PRODUCTS:** Unknown due to the complex nature of this material. Fumes from complete or partial thermal degradation of this material may include carbon dioxide, carbon monoxide, water vapour or a wide variety of innocuous or toxic fumes.

**HAZARDOUS POLYMERIZATION:** Will not occur

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**SECTION VII****SPILL OR LEAK PROCEDURES**

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**STEPS TO BE TAKEN WHEN MATERIAL IS SPILLED OR RELEASED:** If molten, allow to solidify and then scrape up and place in suitable containers. Do not try to recover material while still molten. If the recovered material is clean, it may be reused.

**WASTE DISPOSAL METHOD:** Dispose of in accordance with Provincial and local regulations. Be aware that regulations may differ widely depending on location. For further information contact your regional office of the Ministry of the Environment. The user is advised that this product would be classified as a non-hazardous waste under current Federal and Provincial regulations.

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SECTION VIIISPECIAL PROTECTION INFORMATION

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VENTILATION:                      Mechanical exhaust is acceptable.

PROTECTIVE GLOVES:              Heat resistant gloves are recommended.

EYE PROTECTION:                 Safety glasses are recommended.

OTHER PROTECTION:               Hand sink or cold water source.

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## SECTION IX

SPECIAL PRECAUTIONS

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PRECAUTIONS FOR HANDLING AND STORAGE: Store in a clean, dry area away from direct sunlight and any sources of heat. Store at a temperature between 16 and 43 degrees Celsius (60 and 110 degrees Fahrenheit).

OTHER PRECAUTIONS: Avoid skin contact with molten adhesive.

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LIMITATION OF LIABILITY AND LIMITED WARRANTY

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All statements, technical information and recommendations set forth in this Material Safety Data Sheet are based on information or tests which Black & Decker Canada Inc. believes to be reliable. However, Black & Decker Canada Inc. cannot guaranty their accuracy or completeness. The buyer should conduct his own tests of this product before use to determine proper preparation technique and suitability for the proposed application.

Black & Decker Canada Inc. will not be liable for any error or omission in the statements, technical information or recommendations set forth herein.

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PREPARED BY: JIM TSALAFOS

DATE: August 19, 1992

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